



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

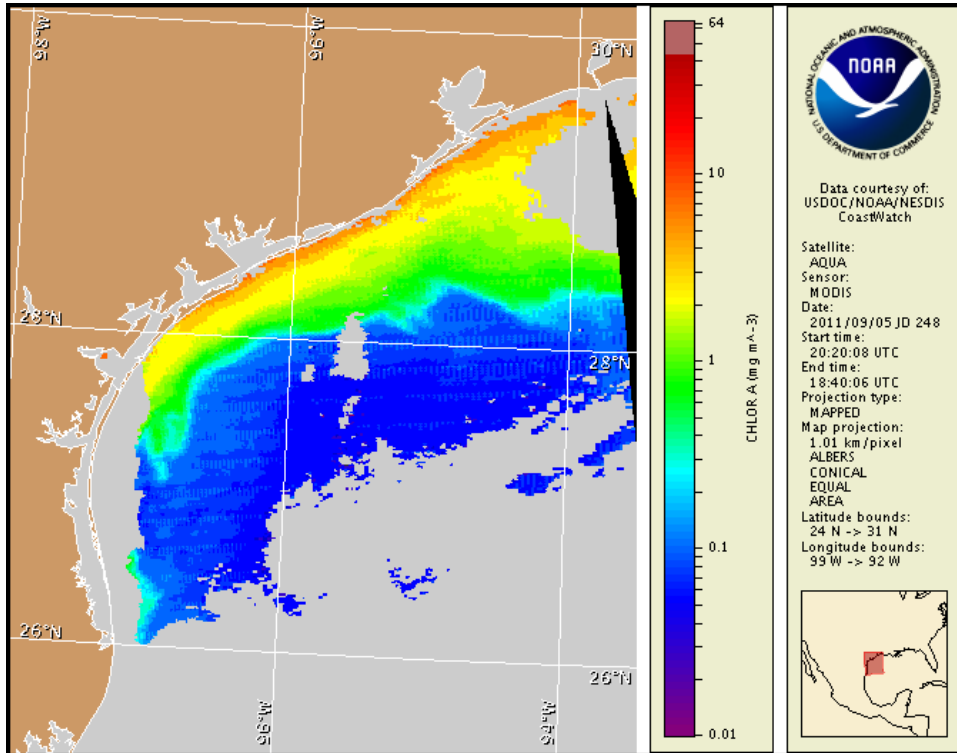
Tuesday, 06 September 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, August 29, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 29 to 31 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

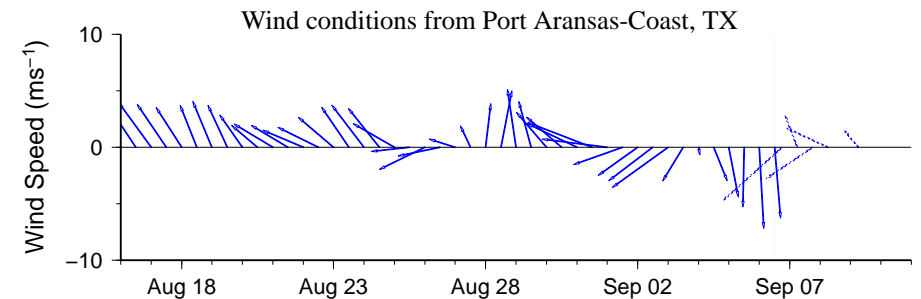
Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, September 11.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is partially obscured by clouds, limiting analysis. Patches of elevated chlorophyll (2-8 $\mu\text{g/L}$) are visible (MODIS, 9/5; shown at left), along- and offshore from the Sabine Pass region to Aransas Pass. Elevated chlorophyll present at the coast is likely due to the resuspension of benthic chlorophyll and sediments and not related to a harmful algal bloom. Forecast models indicate a maximum transport of 30 km south along the coast from Port Aransas from September 3 to 9.

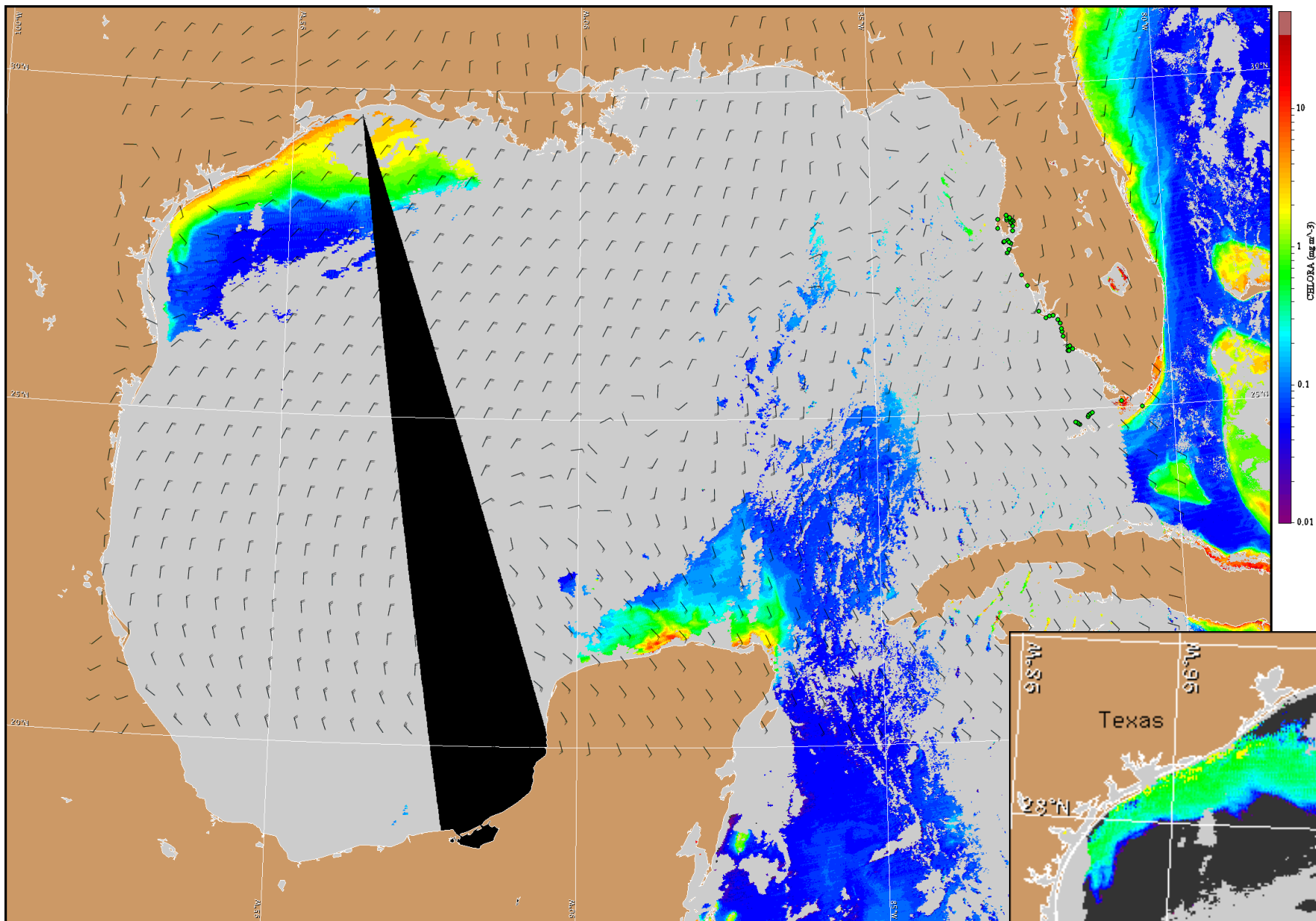
Kavanaugh, Derner



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

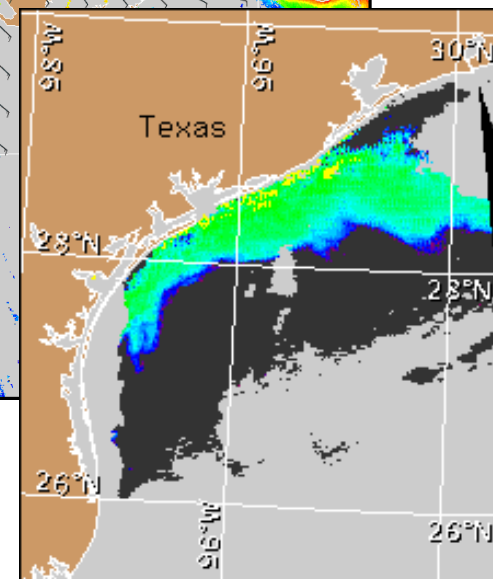
Wind Analysis

Port Aransas: Northeast winds (10-20 kn, 5-10 m/s) today becoming east winds after midnight. Northeast winds (10-15 kn, 5-8 m/s) Wednesday. East winds (5-15 kn, 3-8 m/s) Wednesday night. Thursday through Saturday northeast winds (5-15 kn) each morning becoming southeast winds each afternoon through evening.



Satellite chlorophyll image and forecast winds for September 7, 2011 06Z with cell concentration sampling data from August 29 to 31 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).